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UTILITY PATENT APPLICATION TRANSMITTAL <small>Only for new nonprovisional applications under 37 CFR 1.53(b)</small>		Attorney Docket No. 38-21(15503)B
		First Named Inventor or Application Identifier ANDERSEN
Title	Nucleic Acid Molecules and Other Molecules Associated with Plants	
		Express Mail Label No. 1525/53097

APPLICATION ELEMENTS <small>MPEP chapter 600 concerning utility patent application contents</small>		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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1. <input checked="" type="checkbox"/> *Fee Transmittal Form (Form PTO-1082) <i>(Submit an original and a duplicate for fee processing)</i>	6. <input type="checkbox"/> Microfiche Computer Program (<i>Appendix</i>)		
2. <input checked="" type="checkbox"/> Specification [Total Pages 94]	7. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>		
- Descriptive title of the Invention	a. <input checked="" type="checkbox"/> Computer Readable Copy		
- Cross References to Related Applications	b. <input checked="" type="checkbox"/> Paper Copy (identical to computer copy)		
- Statement Regarding Fed sponsored R&D	c. <input checked="" type="checkbox"/> Statement verifying identity of above copies		
- Reference to Microfiche Appendix			
- Background of the Invention			
- Brief Summary of the Invention			
- Brief Description of the Drawings (if filed)			
- Detailed Description			
- Claims			
- Abstract of the Disclosure			
3. <input type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets []]	8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))		
4. <input type="checkbox"/> Oath or Declaration [Total Pages 6]	9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i>		
a. <input checked="" type="checkbox"/> Newly executed (original or copy)	10. <input type="checkbox"/> English Translation Document (<i>if applicable</i>)		
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 17 completed)</i> <i>[Note Box 5 below]</i>	11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations		
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	12. <input type="checkbox"/> Preliminary Amendment		
5. <input type="checkbox"/> Incorporation By Reference (<i>useable if Box 4b is checked</i>) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Two) <i>(should be specifically itemized)</i>		
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)	14. <input type="checkbox"/> *Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired		
Prior Application Information: Examiner: _____	15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i>		
18. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label <i>(Insert Customer No. or Attach bar code label here)</i>		<input checked="" type="checkbox"/> Correspondence address below	
NAME	Lawrence M. Lavin, Jr., Esq. Monsanto/GD Searle		
ADDRESS	Patent Department Central PO Box 5110		
CITY	Chicago	STATE	Illinois
COUNTRY	US	TELEPHONE	(314) 694-3602
Name (Print/Type)	Lawrence M. Lavin, Jr.		Registration No. (Attorney/Agent) 30,768
Signature	<i>Lawrence M. Lavin, Jr.</i>		Date April 18, 2000

*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form

should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



April 18, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

JC525 U.S. PTO
09/553094
04/18/00

Re: U.S. Non-Provisional Utility Patent Application
Application No.: To Be Assigned
Filed: Herewith
For: **Nucleic Acid Molecules and Other Molecules
Associated with Plants**
Inventors: Scott E. ANDERSEN *et al.*
Atty. Docket: 38-21(15503)B

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Utility Patent Application Transmittal (PTO/SB/05);
2. Form PTO-1082 (in duplicate);
3. U.S. Utility Patent Application entitled:

Nucleic Acid Molecules and Other Molecules Associated with Plants

and naming as inventors:

Scott E. ANDERSEN and Dane K. FISHER,

the application consisting of:

- a. A specification containing:
 - (i) 92 pages of a description prior to the claims;
 - (ii) 1 page of claims (7 claims);
 - (iii) a one (1) page abstract; and
 - (iv) 8,914 pages of a sequence listing;

4. Statement Regarding Sequence Submission;
5. A CD-ROM containing the sequence listing;
6. Original Declaration and Power of Attorney, executed by inventor Scott E. ANDERSEN (3 pages);
7. Original Declaration and Power of Attorney, executed by inventor Dane K. FISHER (3 pages);
8. An Information Disclosure Statement;
9. Form PTO-1449 (1 page), with 8 accompanying documents;
10. Check No. 326706 in the amount of \$690.00 to cover the basic filing fee; and
11. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the sequence listing and the computer readable copy of the sequence listing submitted herewith in the above application are the same.

Respectfully submitted,



David R. Marsh (Reg. No. 41,408)
Timothy W. Riffe (Reg. No. 43,881)

Enclosures

MONSANTO/GD SEARLE
Patent Department Central
P.O. Box 5110
Chicago, Illinois 60680-5110
(314) 694-3602

Attorney Docket No. 38-21(15503)B

ASSISTANT COMMISSIONER FOR PATENTS
 Washington, DC 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventors: Scott E. ANDERSEN *et al.*
 For: Nucleic Acid Molecules and Other Molecules Associated with Plants

Enclosed are:

- _____ sheets of informal drawings.
 An assignment of the invention to _____
 Form PTO-1595.
 A certified copy of a _____ application.
 A verified statement to establish small entity status under 37 C.F.R. § 1.9 and 37 C.F.R. § 1.27.
 Executed Combined Declaration and Power of Attorney for Patent Application (6 total pages).

The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)
FOR	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	7 - 20 =	* 0
INDEP. CLAIMS	3 - 3 =	* 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENTED		

If the difference in Col. 1 is less than zero, enter "0" in Col. 2

SMALL ENTITY		OTHER THAN A SMALL ENTITY	
RATE	FEE	OR	RATE
	345.00	OR	
x 9 =		OR	x 18 =
x 39 =		OR	x 78 =
+ 130 =		OR	+ 260 =
TOTAL	\$	OR	TOTAL
			\$ 690.00

- Please charge my Deposit Account No. 13-4125 in the amount of \$690.00. A duplicate copy of this sheet is attached.
- Check No. 326706 in the amount of \$ 690.00 to cover the filing fee is enclosed.
- The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 13-4125 referencing docket number 38-21(15503)B.
 A duplicate copy of this sheet is attached.
- Any additional filing fees required under 37 C.F.R. § 1.16.
- Any patent application processing fees under 37 C.F.R. § 1.17.
- The U.S. Patent and Trademark Office is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 13-4125 referencing docket number 38-21(15503)B.
 A duplicate copy of this sheet is attached.
- Any patent application processing fees under 37 C.F.R. § 1.17.
- The issue fee set in 37 C.F.R. § 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. § 1.311(b).
- Any filing fees under 37 C.F.R. § 1.16 for presentation of extra claims.

Date: April 18, 2000

Lawrence M. Lavin, Jr.
 Lawrence M. Lavin, Jr. (Reg. No. 30,768)

*Reg. No.
 J. D. R. Marshall 41,408*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1C525 U.S. PTO
09/553094
04/18/00



In re application of:

Scott E. ANDERSEN *et al.*

Art Unit: To Be Assigned

Appln. No.: To Be Assigned

Examiner: To Be Assigned

Filed: April 18, 2000

Atty. Docket: 38-21(15503)B

For: Nucleic Acid Molecules and Other
Molecules Associated with Plants

Statement Regarding Sequence Submission

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In accordance with 37 C.F.R. § 1.821(f), the paper copy of the Sequence Listing and the computer readable copy of the Sequence Listing submitted herewith in the above-mentioned application are the same.

Respectfully submitted,



Lawrence M. Lavin, Jr. (Reg. No. 30,768)

Date: April 18, 2000

by



J. D. R. Marsh
Reg. No. 41,408

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Monsanto/GD Searle
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